

CLAIMS

1. A gas deflector valve for deflecting exhaust gas in a vehicle comprising a flat block (1) having two adjacent circular holes (2) and (3) that define passages for the gas passing there through, a lower projection (4) at one end of the block, another block end coupled to a support (5), actuator means mounted to the support and being biased by a spring (8); one of the circular holes (2) having an upper through hole and a lower through hole, bearing means located therein for supporting rotation of a shaft (10) located therein perpendicular to the gas flow therethrough, a lower terminal end of the shaft extending from said lower through hole at a bottom part of the block (1), the shaft end connected to a plate (11) having two upper lips (12) for limiting rotation of the shaft, angular displacement of the plate (11) causing the lips to engage stop means on the block; valve means mounted to the shaft and disposed in the opening for blocking/releasing the gas passage, blocking the passage diverting the exhaust gas flow, an axial rod (14) incorporated to the actuator means (6) being engaged at an end thereof to the plate (11), whose point of articulation is eccentric to a point of connection of the shaft (10), said rod (14) converting a rectilinear motion of said rod (10) into a circular motion of the shaft.
2. The gas deflector valve of claim 1 wherein the valve means are installed in the first circular opening (2) of the block, and the stop means are a projection (4) disposed on the block.

3. The gas deflector means of claim 1 wherein the valve means are located in the second circular opening (3) of the block, and the stop means are a shoulder (15).

5 4. The gas deflector means of claim 1 wherein the actuator is a vacuum or pressure pneumatic actuator.

5. The gas deflector means of claim 1 wherein the valve means comprise a butterfly valve.

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6. The gas deflector of claim 4 further comprising a nipple on the actuator for connecting to a hose.

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7. The gas deflector means of claim 1 wherein the actuator means are connected to a control system which directs opening and closing of the valve means in response to an exhaust gas temperature.